

# Injury-related Outpatient Observation Stays

2012\*

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>2</sup>
	Uninten- tional	Intentional		Undeter- mined	Other & Legal <sup>1</sup>			
		Self- inflicted	Assault					
Cut/pierce	126	108	78	<11	0	<323	2.7	4.7
Drowning/submersion	<11	0	0	<11		<11	---	---
Fall	4,707	<11	0	<11		4,714	40.5	70.9
Fire/burn	70	<11	<11	<11		75	0.6	1.1
<i>Fire/flame</i>	21	0	0	<11		<32	0.2	0.3
<i>Hot object/substance</i>	49	<11	<11	0		52	0.4	0.8
Firearm	<11	0	34	<11	0	41	0.4	0.6
Machinery	28					28	0.2	0.4
Natural/Environmental	279	0		<11		<290	2.4	4.2
<i>Dog bites</i>	42	0		0		42	0.4	0.6
<i>Other bites &amp; stings</i>	168	0		0		168	1.4	2.5
<i>All other (e.g. extreme cold)</i>	69	0		<11		<80	0.6	1.1
Overexertion	312					312	2.7	4.7
Poisoning	567	306	0	136	0	1,009	8.7	15.2
Struck by, against	351		138		<11	<500	4.2	7.4
Suffocation	52	<11	<11	0		58	0.5	0.9
Transport-related Injuries	851	0	0	<11		<862	7.3	12.8
<i>Motor vehicle traffic-related</i>	607	0	0	<11		<618	5.2	9.1
<i>Occupant</i>	406					406	3.5	6.1
<i>Motorcyclist</i>	51					51	0.4	0.8
<i>Pedal cyclist</i>	28					28	0.2	0.4
<i>Pedestrian</i>	89					89	0.8	1.3
<i>Other person</i>	<11					<11	---	---
<i>Unspecified</i>	31					31	0.3	0.5
<i>Pedal cyclist, other</i>	135					135	1.2	2.0
<i>Pedestrian, other</i>	<11					<11	---	---
<i>Transportation, other</i>	99					99	0.9	1.5
Other-specified & classifiable	455	<11	40	<11	0	497	4.3	7.5
<i>Human bites</i>	<11		<11			15	0.1	0.2
<i>Non-powder gun (BB, pellet)</i>	<11	0	0	<11	0	<11	---	---
<i>Other specified &amp; classifiable</i>	447	<11	31	0	0	<489	4.1	7.2
Other specified, not classifiable	180	15	52	<11	<11	258	2.2	3.9
Unspecified	650	<11	33	<11	<11	689	5.9	10.4
Adverse effects <sup>3</sup>	--	--	--	--	--	69	0.6	1.0
Cause and Intent are not provided	--	--	--	--	--	4,518	38.8	68.0
TOTALS <sup>4</sup>	8,642	440	379	163	<11	14,217	122.2	213.9
RATE BY INTENT/per 100,000	130.0	6.6	5.7	2.5	---			

**Source:** Massachusetts Outpatient Observation Stays Database, Center for Health Information and Analysis (CHIA)

\*All CHIA data sets are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2011 - September 30, 2012 and will be different than numbers generated through the Department's query based system MassCHIP.

1 Legal Intervention includes injuries resulting from police actions and operations of war.

2 Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable. Rates provided here are not age-adjusted and may differ slightly from other department publications.

3 Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

4 Totals do not include subcategory counts. Total percent is presented here as 100% but may be slightly less or more due to rounding.

—This database contains cases admitted to a hospital bed for "observation," these cases are not included in the Massachusetts Hospital Discharge Database.

—An injury-related "observation" case is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)].

—Injury observation cases subsequently dying in the hospital are excluded from this analysis.

—Only Massachusetts residents with valid MA zip codes are included in this analysis.

—Population data used to calculate rates are based on 2012 population estimates by the US Census Bureau. Estimated 2010 Massachusetts population is 6,645,303.

Rates are per 100,000 residents.

—Categories and groupings are based on the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data."

This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, July 2013